IT HAS GOOD POINTS

Many Useful Purposes Which Dynamite Serves

WARMLESS AND SAFE TO HANDLE

mion Needed to Expinds ands of Manufacture.

slectric current.

The explosive substance itself is a mass of another, the tatest explosive yet invented, which is obtained by mixing the nitro-glycerine with golatine, or any suitable glutinous substance. This is called forcits, and has the double advantage over dynamite of being anfe to Landie and more effective in its working. The dynamite is made up in sticks or cartridges, generally of in its working. The dynamits is made up in sticks or cartridges, generally of half a pound weight, and held in hollow paper cylinders eight liches long and one and a quarter inches in diameter. For shipment these sticks are put up first in ten-pound packages, and then five of these packages are placed in a strong wooden case, and in that hulk they are sent out from the factories. brought here by train, and neither is ordinary gampowder, for that matter, because none of the railroads which run freight lines la Providence will carry any kind of explosives. But the dynamite is brought as far as Acton, Mass, in the freight cars, and then led from there in four-horse teams. It takes the team a day and a half to make the trip, and the selling parties pay the cartage. Of course there is more or ieus of the stuff amusgled in here by train; sometimes it comes ced as soap or sums equally harm-commodity, and the freight haud-throw it around accordingly, and frequently workmen who are going short distance by train out of town to some binsting take enough with on in a value to cause a full-fledged odern railroad hogor if it should

In the retail stores, where the dyna-its is for sale, there is no unusual recention taken in the storing of it. es under the counter or on the elves, very much the same as comful to keep his dynamite cartridges seeful to keep his dynamite cartridges to one and of the store and the dynamite caps at the other. The latter is be more dangerous of the two, and it when they are brought together had dynamite is a most excellent hing to keep away from. It is the cap of the cartridge that are so often consumied in the accounts of explosions, to. The prevailing idea about Anarhist Lingy's death is that he exploded cartridge in his month; instead it cartridge in his mouth; instead it as the much smaller but just as dead-

The explosive retails for anywhere from twenty-five to sixty cents a ound, according to the percentum of Pro-glycerine with the sawdust or mpbleck. The uses to which the lamphiack. The uses to which the dynamics is put in everyday work on the farms, ledges and highways are many, for simple rock blasting, removing bowlders, breaking up iron, clearing tree stumps and shattering ice and frozen ground. It has been frequently used at Benedict pond, where its explexion under water, after a drowning accident, has brought to the surface some body that could not be secured with the dragging from.

If the charge is to be used under water or in breaking upice the cap has's be made water-tight where the fuse enters before it is inserted in the custridge by filling in the opening with the or some kind of grease. Water does not injure the dynamite, but it must be kept from the fulmin-ate. The pawder is injured, however, and its power greatly diminished by a ow temporature. High explosives freeze at a temperature of forty degrees to forty-three degrees, Fahrensit, and when in this condition will explode, if at all, with but little effect.

So to use them in cold weather the workmen have some contrivence for warming the cartridge, either by leaving it in an iron kettle which is im-merced in a larger one containing hot water, or by burying it in sand heated to a temperature of seventy degrees. Consciousness in this part of the work has on several occasions resulted in a mature explosion and accident, for while hoth commenton and heat are rally necessary to produce any re-A. either one of the two agentraione soay do so, as was the case in the re-cent estastrophe at Santander.

There is one rule of safety that is al-

There is operate of safety that is always heeded in blacking experiments. If the charge fails to explode after the face has been lighted or the current turned on the operator will never dig it out to find the reason why—it is too apt to set like the firecraoter that the small boy picks up after he thinks it has gone off, or like the toy platel that lan't Philos. When the first attempt ed in close proximity to the first, when that goes they both go.

MUSIC IN WALES.

to the Yory Sout and Remot of the Welsh Nature. church and chapel in every village and town, according to strainment Review, has its choir, sumbering sixty, seventy or a i wellow, and every choir has its proligion, leaders of parts, to who have sever had a leason in their lives, or some time olikers or thegiris, with votces which, and they been trained and developed, tight have made of them Edward.

volume, the tone and timbre in it—
these are things not to be forgotten.
The mine qualities in a lesser degree
may be observed in the singing of any
small chapel choir inside the boundaries of Wales. You shall never hear
such singing as you may hear on quiet
Sunday evenings from some Welsh
hillaide sanctuary by a choir of working lads and lesses, conducted by
some rough-and-ready, unkempt, selftaught musician.

Nusie, then, we assert, is the very

some rough-and-ready, unkempt, self-taught musician.

Music, then, we assert, is the very soul and kernel of the Welsh nature. A musical car is the national birthright. Every Welsh preacher who migrates to an English church finds the greatest difficulty in abstaining from that weird, peculiar intonation of his sermon which is known as the hwyl, and which is often strangs and objectionable to English ears.

Another remarkable and subtle fact which will be interesting to English readers and at the same time significant of the sensitiveness of the Welsh musical ear, is that it is positive discord to many among the Welsh congregations if the minister, in "giving out" the first verse of the hymn, does not so pitch the voluments of the hymn, does not so pitch the voluments of the hymn, does not so pitch the voluments in which the tune has preliminarily been played by the instrumentalist.

KING OF THE GULF.

The Resident and His Home Among the Moticy Crowds of Bushire.

Bushire is the capital of the English protectorate in the Persian guil. Here our resident lives, who may be styled king of the guilf, and before whom all the petty potentates along its shores, be they on the Arabian or Persian side, bow down. He has his steam yacht and his steam launch provided for him, a British man-of-war is appointed to be always in readiness to do his bidding, and the British residency, with its flagstaff and extensive compounds, is by far the most conspicuous building in the town, says the Fortnightly Review.

ing in the town, says the Fortnightly Review.

Bushire is a truly horrible place, built at the edge of a split of sand running out into the guif. Its population is very mongeel—Araba, Persians. Hindoos, are all hopelessly mixed up therein. It has an English bank. What with its English residency, English bank, Euglish telegraph, English steamers' agents and English men-of-war. Bushire is as English as could war, Bushire is as English as could well be wished. Lawn tennis may be seen upon the quays, ladies may play and ladies may ride without incurring more than an ordinary amount of star-ing from the Moslems.

It is confidently asserted that, if the Karoun route is opened out into the heart of Persia, Bushire will cease to be the seat of our resident, and the capital of our Persian gulf protectorate will be removed to Fao or some other spot which has not yet got a name. If that time ever comes, and Bushire ceases to be the chief outlet for the Persian caravan trade, the place will not long survive, for it has no pretensions whatsoever to call itself a harbor. Big steamers have to anchor at least two miles off land outside a sandbar, and, if the sea is very rough, landing is next to impossible. Bushire chances to be the outlet for the roads across the Kotals, and if it ceases to be that its reason for existence will cease also.

A French physician, who has found that the majority of deaths upon the battlefield arise from the bleeding to death of the wounded while waiting for the surgeon, proposes that each soldier in the French army shall be taught where the arteries of his body are and how to arrest bemorrhages from them. In doing this he has found a use for that most useless of arts tattooing; a small figure of some kind beings tattooed over each artery, so that the soldier can at once see where to apply the ligature.

Guaranteed Cure.

We authorize our advertised druggist to sell Dr. King's New Discovery for Consumption, Coughs and Colds, upon this condition. If you are afflicted with a Cough, Cold or any Lung, Throat or Chest trouble, and will use this remedy as directed, give it a fair trial, and experience no benefit, you may return the bottle and have your money refunded. We could not make this offer did we not know that Dr. King's New Discovery could be relied on. It never disappoints. Trial bottles 10c; large size, 50s and \$1, at Peck Box, drugstore. Guaranteed Cure.

Bucklen's Arnica Salva.

The lest salve in the world for cuta bruses, sores, nicers, salt rheum, faver sores, tetter, chapped hands, chilblains, corns, and all skin bruptions, and positively cures piles, or no pay required. It is guaranteed to give perfect satisfaction or money refunded. Price 25 cents per box. For sale by Peck Bros., druggists, corner Mouron and Division streets.

That people suffering from Piles will endure them for years or aubmit to dungerous, painful, cruel and expensive surgical operations, when all the time there is a painless, certain, lasting cure, which gives instant relief and costs but a trille. It is called the Pyramid Pile Cure and can be found at all drug stores. Any druggist will get it for you if you ask him.

A Surgical Operation,

For the cure of Piles is always painful often dangerous and useless, and invariably expensive; on the other hand there is a new, certain cure, perfectly painless, gives instant relief and permanent command costs but a trifle. It is the Pyraulet Pile Cure. It is a more certain cure than a surgical operation, without any of the intense pain, expense and danger of an operation. Any druggist will get it for

DR. KILMER'S



Swamp-Root Cures.

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Elegant New Styles DIAMONDS,

Diamond Rings, Scarf and Lace Pine Ear-rings, Studs, Sleeve Buttons,

GOLD WATCHES! GOLD FILLED WATCHES.

Solid Gold and Plated Stude, Chains, Pins, Plain Gold and Set Rings in Great

Solid Sterling Silver, Rogers' Plated Ware. CLOCKS,

Gold Spectacles, Opera Glasses, Gold and Silver Thimbles, Gold Pens, Toothpicks, etc. Call and secure bargains at

NO. 10 CANAL ST. OPPOSITE SWEET'S HOTEL.

Royal Ruby Rye Whisky is free from all foreign flavor and adulterants; naturally ripened and matured by eleven years storage in wood, it is "a Rye as is a Rye," and costs no more than inferior brands. Try it and you will never be satisfied to use any other.

A pure old whisky is always free from the inferior brands and the satisfied to use any other.

A pure old whisky is always free from fueil oil, which is a poison, and should not be taken into the system. Age eliminates it from the spirit of oxidation, and it is converted into fragrant ethera, which give the bouquet to whisky.

When you want a whisky for medicinal use you want it pure. "Royal Ruby" Rye is guaranteed pure in every particular, and recommended for the invalid and the convalescent. (Bottled at distillery.) \$1.25 per quart bottla. ROYAL WINE CO., Chicago, For sale by Scribber & Aldworth, druggists.

Open for Business

MONDAY, DEC. 11. The Security Deposit Vaults, 19-21 Fountain street, Old Sherard Block, invite inspection of their vaults and arrangements for safe keeping of private papers, bank stocks, morgages, abstracts, will, man; Jewelry, and valuables. Foxes the per month; \$3,00 per ven; F. E. BUSWELL, Manager.

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Office and residence No. 17 Henry street. Office hieurs before in a. m., and after 2 p. m. Telephone Mil. Physician at tuscade hyrings for twenty-fone years.





AT RECEIVER'S SALE

THE ENTIRE STOCK OF FURNITURE, LACE CURTAINS, DRAPERIES, FINE UPHOL-STERINGS, ETC., INVENTORIED AS BEING IN THE RETAIL DEPARTMENT OF

IS NOW BEING OFFERED AT PRIVATE SALE, FOR CASH ONLY. SALE WILL BE CLOSED ABSOLUTELY JANUARY 2, 1894.

CANAL ST.

33, 35, 37 AND 39 THE MICHIGAN TRUST

CIAL NOTICE

GREAT SPECIAL SALE OF

SHOES AND RUBBERS

FRIDAY, DEC. 15, COMMENCING AT 8 A. M.

Having bought the entire retail shoe stock of R. Clemants & Bro., shoe dealers of Boston, we will sell at this great special ale on the above day the greatest bargains ever sold under a roof in Grand Rapids. On account of the hard times we will sell only one pair to each customer in order to give those out of employment a chance to get a pair at these unbeard of prices. If you need shoes, if you need rubbers, if you need bargains, come to this great sale. Come early! Don't delay! Tell your friends. A chance to buy goods at almost nothing.

READ! READ!

Lot 1. 300 pairs of Misses' Rubbers, sizes 11, 12, 13, 1 and 2, regular 40c rubbers, we will sell for 9c. Come early, great bargains.

Lot 2. 408 pairs of Ladies' Fine Tipped Oxfords, hand turned sizes 2½, 3, 3½, 4, 4½, 5 and 6, we will sell for 74c, regular \$1.25 goods. Those are surely bargains, ladies; elegant goods, no by styles.

Lot 3. 312 pairs of Ladies' fine, Rochester, New York, make, Shoes, patent tips, soft stock, hand turned and lovely fitting goods, we will sell for \$1.46 a pair. Regular \$3 shoes; hand-

Lot 4, 605 pairs of the finest hand turned, French Kid or with a new tip or opera toe with a beautiful tip, made of elegantly, soft and pliable, easy to the feet, cloth top or leather, high or low heels, without a doubt the grandest and best fitting shoe ever put on a foot, we will sell only one pair to each customer, at this sale the price will be \$2.63 a pair, every pair worth from \$5 to \$6 a pair, all sizes except 3's, all the narrowest and widest widths made. Remember, one pair to each customer.

Lot 5. 300 pairs of Men's Fine Dress Shoes, congress or lace,

in calf or Kangaroo, all nobby styles, we will sell for \$1.69 a a pair, regular value \$3.25, one pair to each customer. Come

early, big drive; a chance to save money.

Lot 6, 207 pairs of Men's Best Sock Rubbers, with heels,
the best make of Rubbers in the market, 97e a pair, regular price \$1.40, all sizes, big bargain. One pair to each customer. Come early.

Remember this great sale is for ONE DAY ONLY. Everything else in the house will be marked down for this occasion. If in need of Shoes or Rubbers, don't fail to attend this great sale, Friday, December 15.

EHRMAN'S SHOE HOUSE

69 Canal Street. Sale at 8 a. m.

P. S .- Only one pair will be sold to each customer.



As an inducement for you to "come early and avoid the rush" we offer you a discount of 25 per cent on all cash purchases made before Dec. 18th. Novelties in Celluloid, Metal. Hardwood and Leather. Souvenir Spoons. Jewelry, Fans. Silver Plated Ware, China, Glass Lamps, Toys, Skates, Sieds, etc., etc.

MAY'S BAZAR, 41-43 MONROE ST.



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Catarrh, Consumption, Deafness, Rheumatism, Nervous Debility, Impotency, and all diseases resulting from early indiscretions and excesses of manhood, Lost Manhood, all diseases of the urinary organs, partial paralysis, varicocele ruptures, tumors, scrofula, old sores, dropsy, skin diseases, liver and kidney complaints, heart disease, shortness of breath, back of head, small of back, etc., including all female complaints and chronic diseases cured quickly and perma-

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